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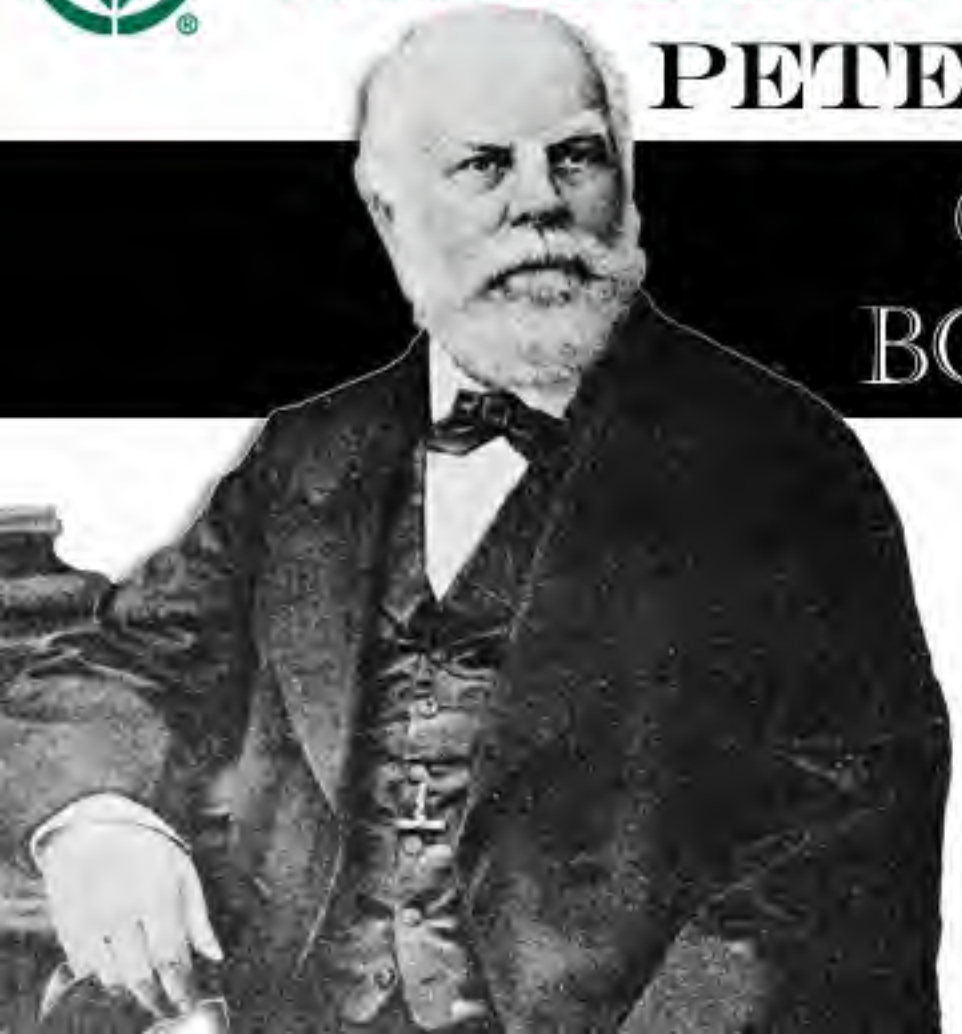

Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

x10

Feb 10 1871

Tillandsia Lindenii
Lem
Dr Henry's Park of Green Cedars
Dr Hayden 1870

Lodicula
x60

style
x60

anther
x10

Pollen x415

more frequently 2 than 3
florets

stigmatic
branch x280

x10

pistil with filaments
2
x60

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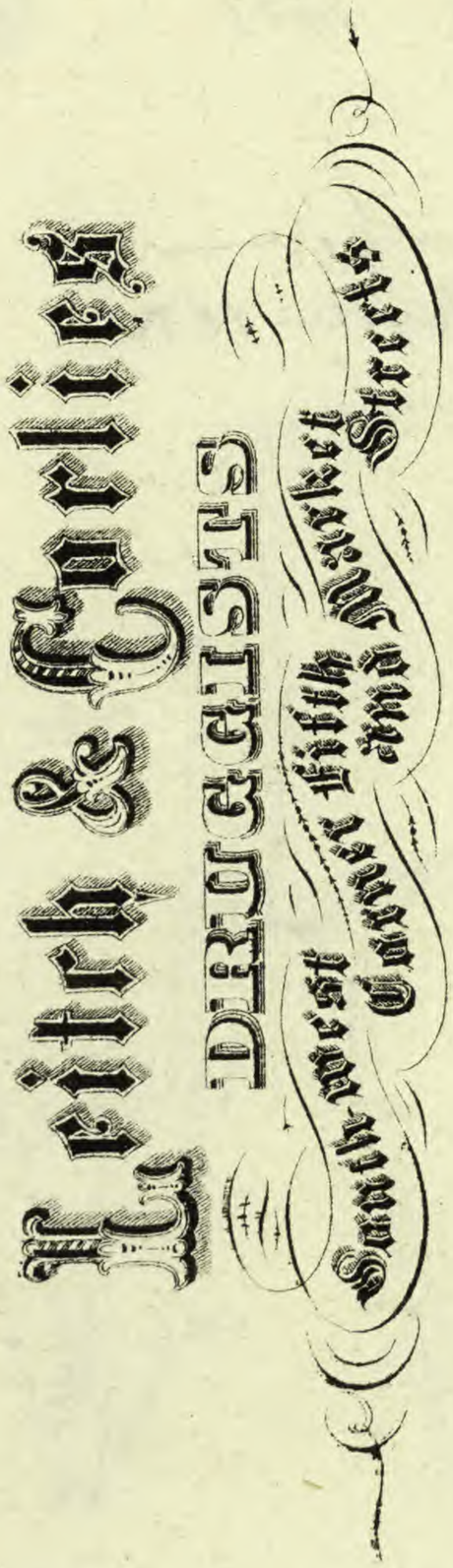
MISSOURI BOTANICAL GARDEN

10239



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Buchloe

May 7 1872

x10

towards
glume
inside of spike

spikelets 2 flowered
of 3 flowered, 3rd
perfect or abortive

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cm
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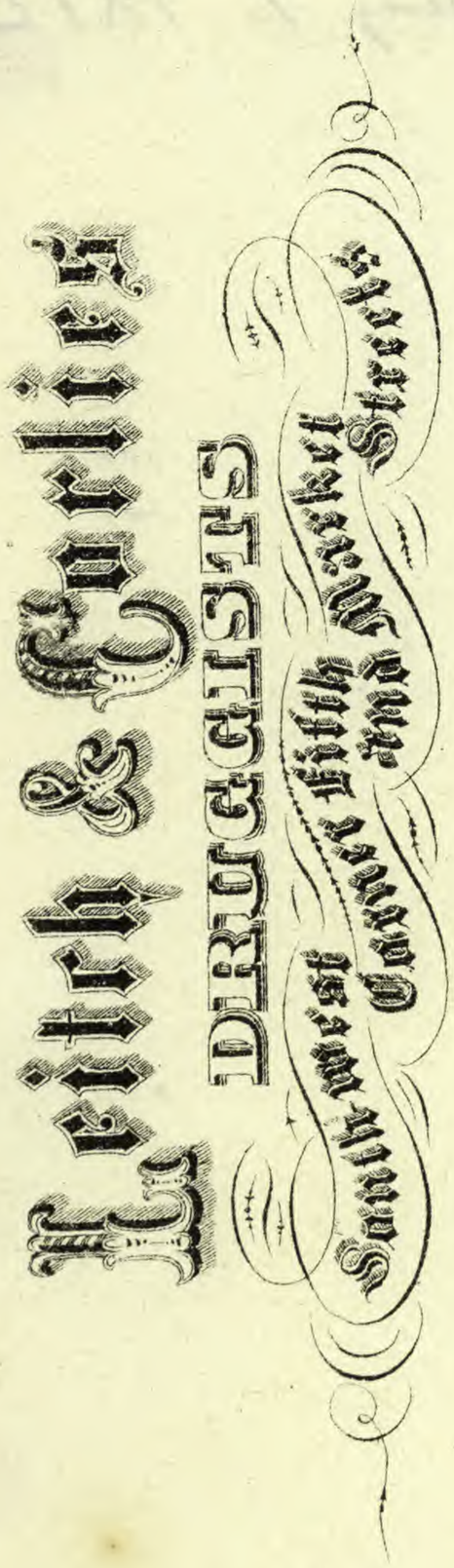

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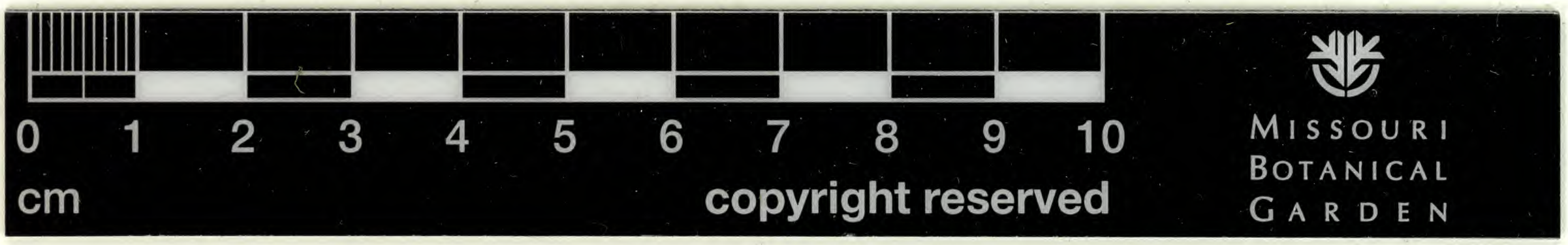
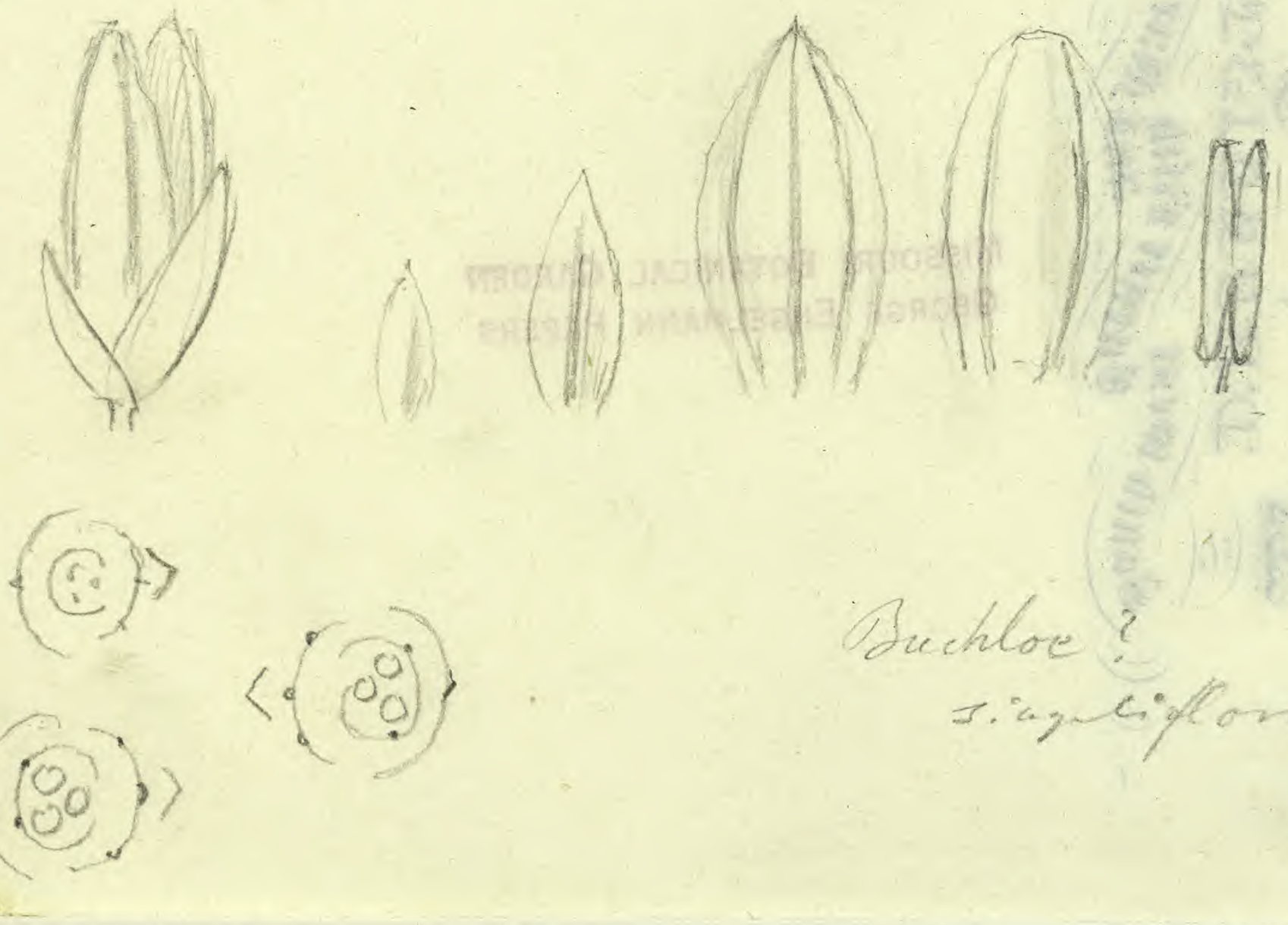


May 7 1872

3820 Reglar, Cuba, Dobbins, March 1864
allied to Buchloe, but ♂ one flowered

×10



Buchloe ?
S. ageliflora

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cm
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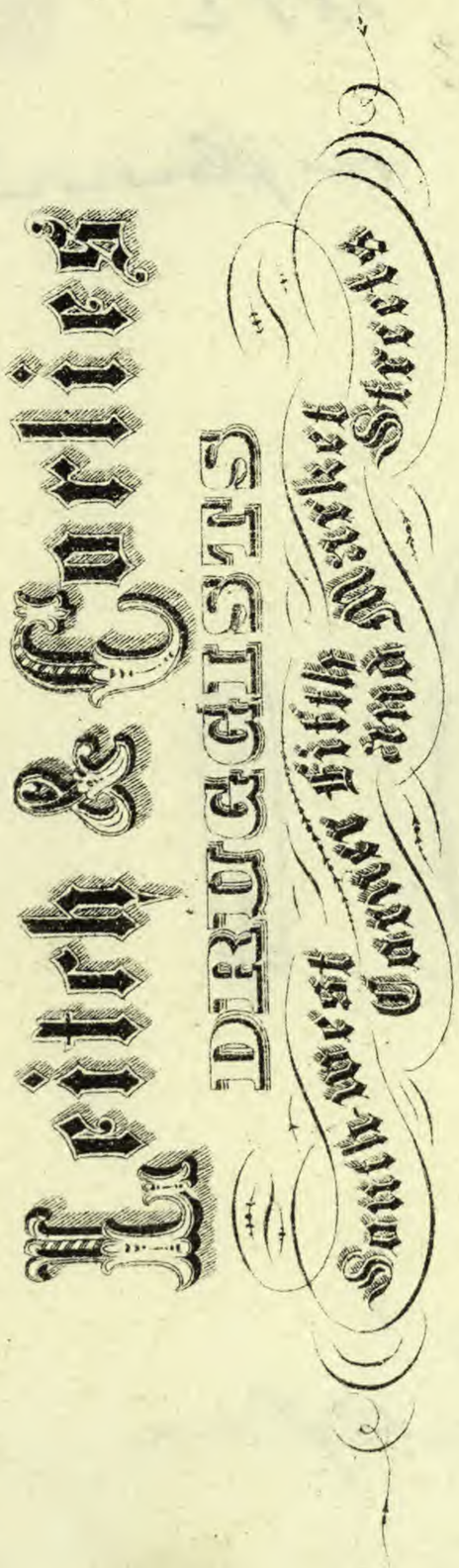

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Leiomella elegans Parry

May 5th 1876

× 30

part of sh. —
× 280

× 30

× 10

young fruit

× 30

sterile glume

no nerves

no lodicules?

sterile flower
× 30 of
one ovel glume

outer palea
5 nerved.

inner palea
nerveless

× 10 obtuse denticulate
awned below tip

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cm
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ALEX. LEITCH.

APOTHECARY & DRUGGIST

Marble Building Cor. Fourth & Olive Sts. St. Louis, Mo.

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cm
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3820

Buchloe ? simpliciflora Engl. n. sp.

dioica perennis stolonifera, ~~glabra~~ rhizomate
fol glabris v. pilosulis pubescentibus;
✓ vaginis ~~apice~~ ligulam ~~obtusam~~ ovatam
conspicuam gerentibus, plerisque
spicis mas. 1–3, spiculis ~~crassiusculis~~ 1–variatis,
uniflorisque glumis inferiore 1/3–1/2
superiore 2/3 palearum longitudinis, palea
inferiori acuta, superiori bidentata, inferam 3 nervi acuti
superiora 2 nervi obtusi, stamina 3

Reglar, Cabo de Roble ~~Huasco, Huasco~~
Coquimbo.

Similar to Buchloe dactyloides, flowers
much smaller and in my specimens always single
~~in the axil of the throat of the vagina~~
female plant not seen.

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cm
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Smith & Griffith
DRUGGISTS
Corner Fifth and Market Streets
Louisville, Ky.

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Zizania

Schlechtendal — Linnaea 30 (1859 x 60)

p. 714

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theke

e,

lorgan Straße,

Monstrous pistil of grass

Nees in Linnea V. p. 679.

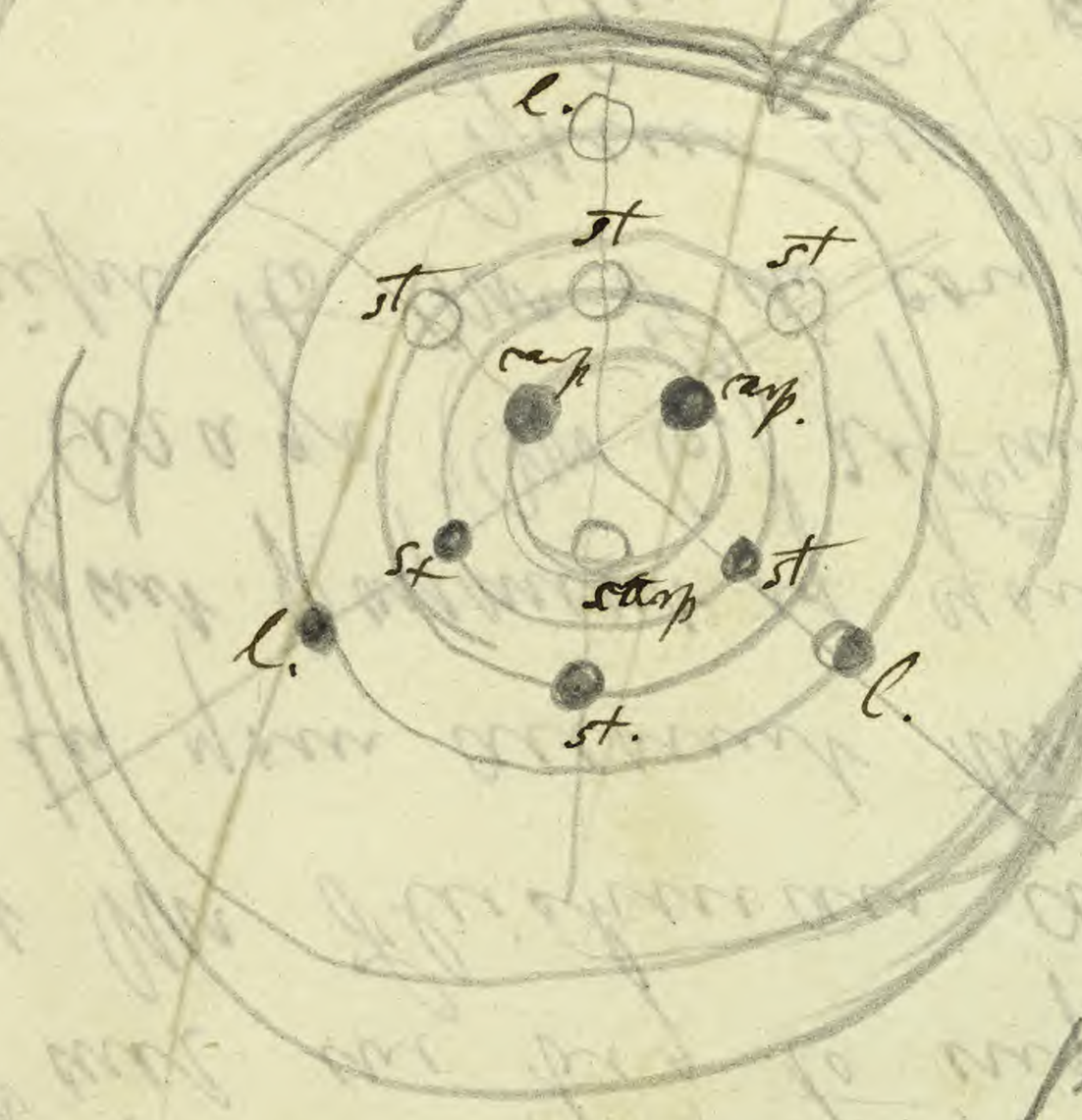
Anthoxanthum Puelii

Nees in Linn VIII. p. 57 tab 2

Jurs Bluff

Nees ic. tab. 3

palea int.



Nees Thinks lodiculae are 2 abortive stamens

Kunth thinks they are the ligula of interior palea

palea ext.

1. anther three lodicules

2 anthers 2 ovaries

2 anthers three lodicules

1 ovary

3 anthers three lodicules

2 ovaries

4 anthers, 2 ovaries

Ans - Bankf July 19

10245

Paris July 16/58.

J. Engelmann Esq
Frankfort

Dear Sir

In reply to your favor of 14th inst we beg to inform you that Mr Fleischman duly handed us for your account two bills on Paris for part payment of your package per "Arago" (No 6.) 21st inst. the delivered receipt to Mr F in conformity.

Yours respectfully
Ans - En Exprss Co.
Adams Daly

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cm
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monstrous Spikelet

a lower glume, bearing in the axill a secondary Spikelet
of which b is the next inserted, & a palea; d second
glume, and d an empty 3 nerved (pater lower
e is the regular upper glume
f an empty lower palea
g and h 2 Stamineate regular florets

Buckley Dusty Wings

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XIV. 4

XIV. 5

XIV. 3

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cm
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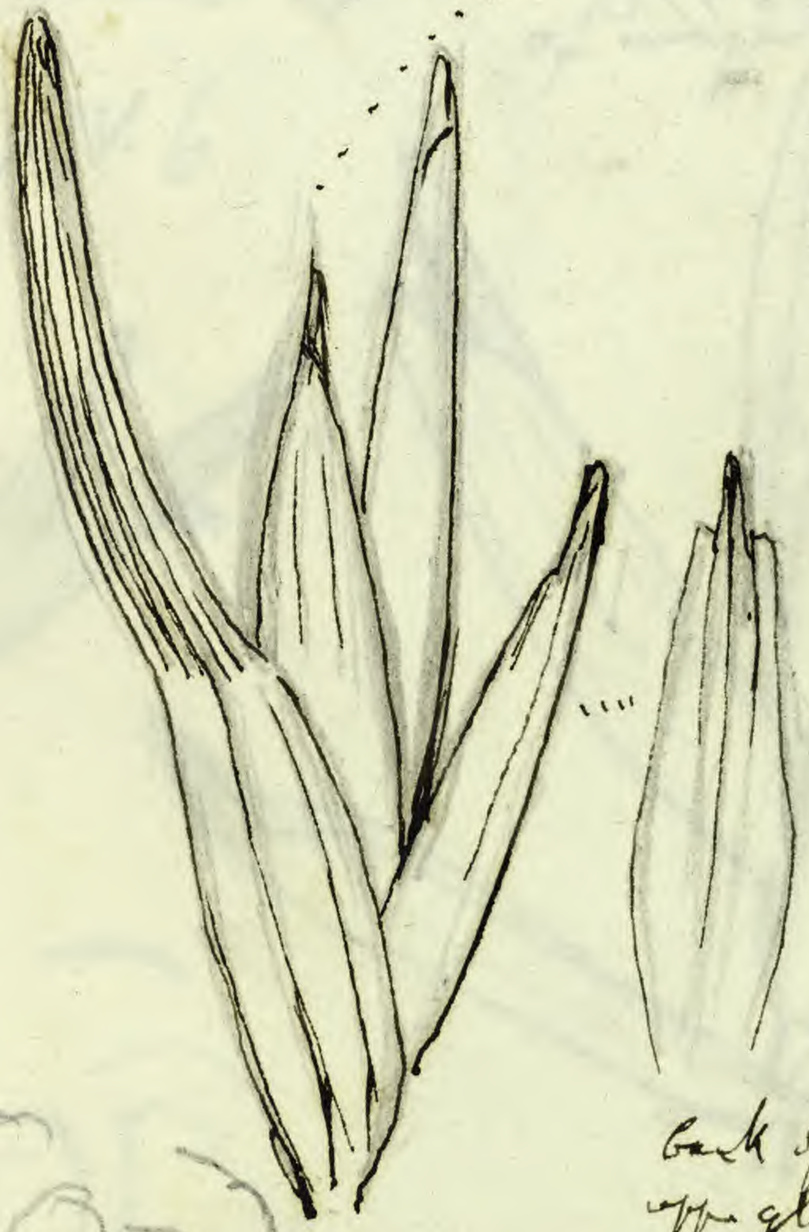
inner palea longer than outer one

3 stamens ovaria or more probably bulbous bases of 3 filaments

3



Back of upper glume ?

2 hyali scales

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cm
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Two lateral hyaline scales aa of unequal size

XIV. 6

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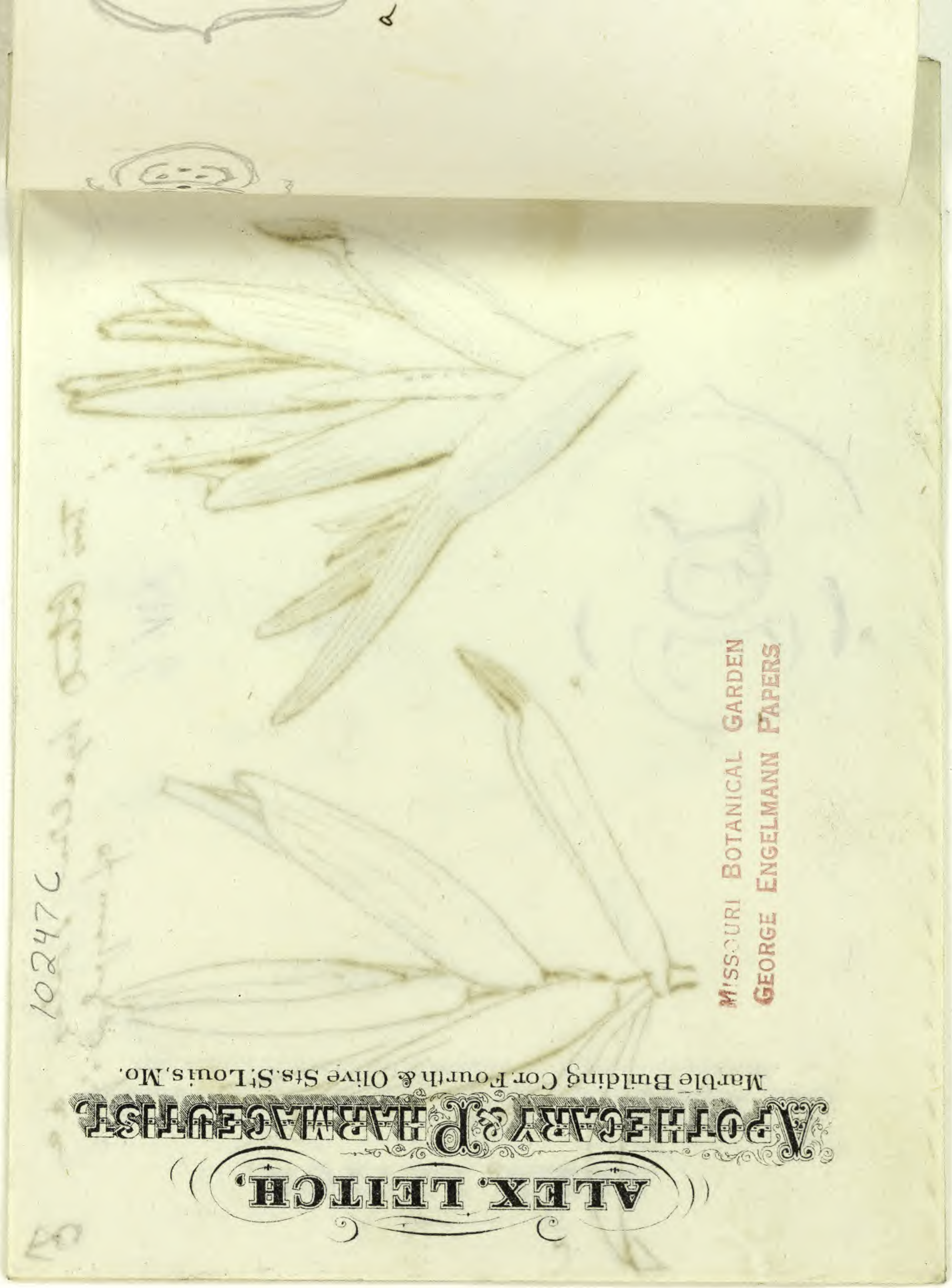

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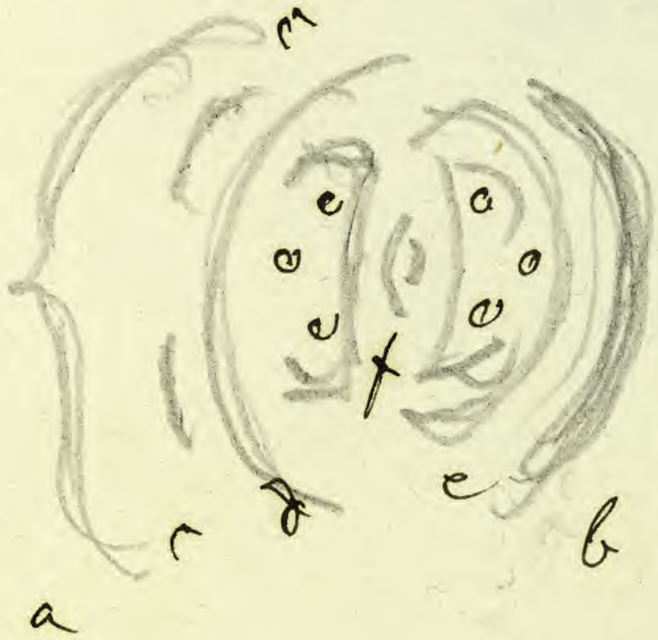

♂

a Corolla glume

b Legule large scale

c.c. 2 smaller legule scale

d lower floret

e upper floret

f. ~~stamen~~ median stamen floret

?

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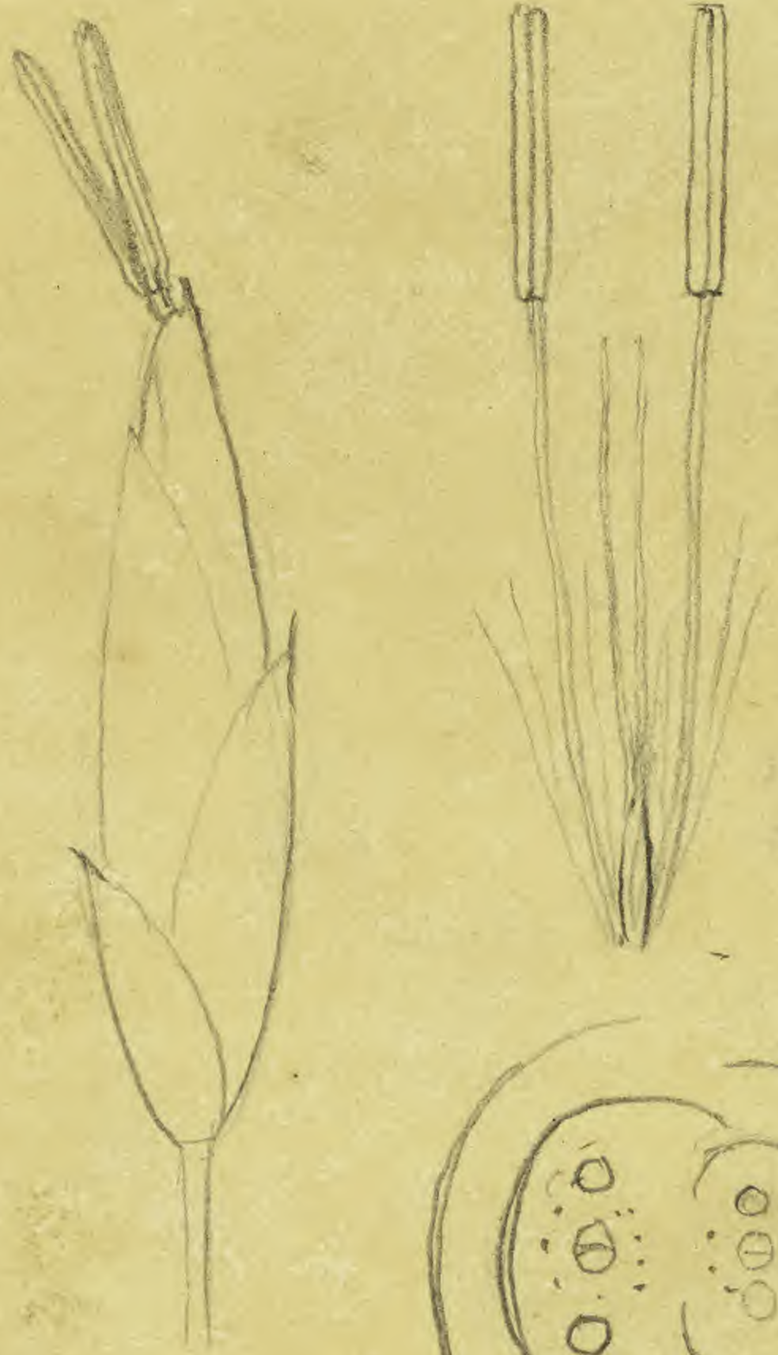
Rhynchospora alba Lake Superior Aug 21 1867

& Swamps Aug 1867



sect of leaf x 10

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cm
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cm
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This Nordus grass is 3227 Berlandi
and also at Key west, (Blodgett)
In Hb Hook it has Nees' Mss
name of Cloanthes, not published.

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cm
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Col. Munroe writes to J. Thurber

April? 1859.

I have this in my herb from Texas Drumd marked Cloanthes squarrosus Nees. but do not know where I got the name the original label from Herb Hooker is marked Cyppis squarrosa Nutt. Cloanthes Nees Texas

Jameson No. 157 Ven. [?] I could another species and have called it C. Jamesonii in Herb Trin Coll. Dubl.

...NO SANDER,

APOTHECARY,

OF SECOND AND WALNUT STREETS,

UNDER BARNUM'S HOTEL,

SAINT LOUIS, MO.

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10.250

0 1 2 3 4 5 6 7 8 9 10 cm
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11 Juene

× 412

Duchloë

anthers effete

× 10

Pollen

treated with sulph and

cm 0 1 2 3 4 5 6 7 8 9 10
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10251

M. W. ALEXANDER,

SOUTH-EAST CORNER FOURTH AND MARKET STREETS,

ST. LOUIS.

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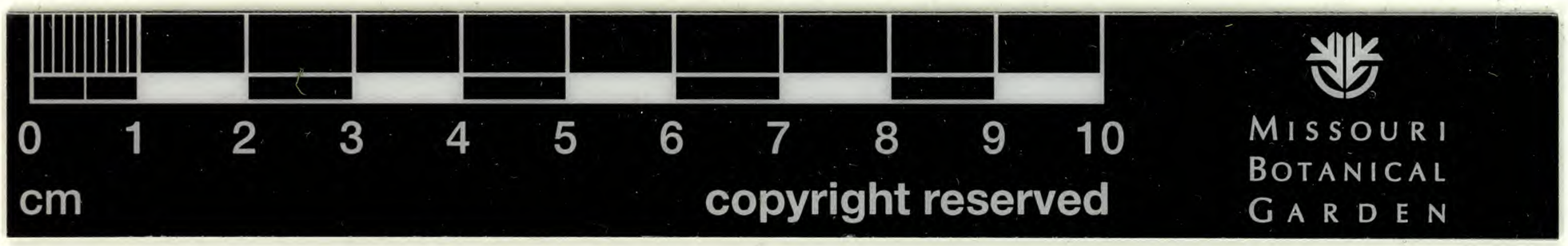

16/7 59.

Jea

HOTEL X
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LIBRARY

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cm
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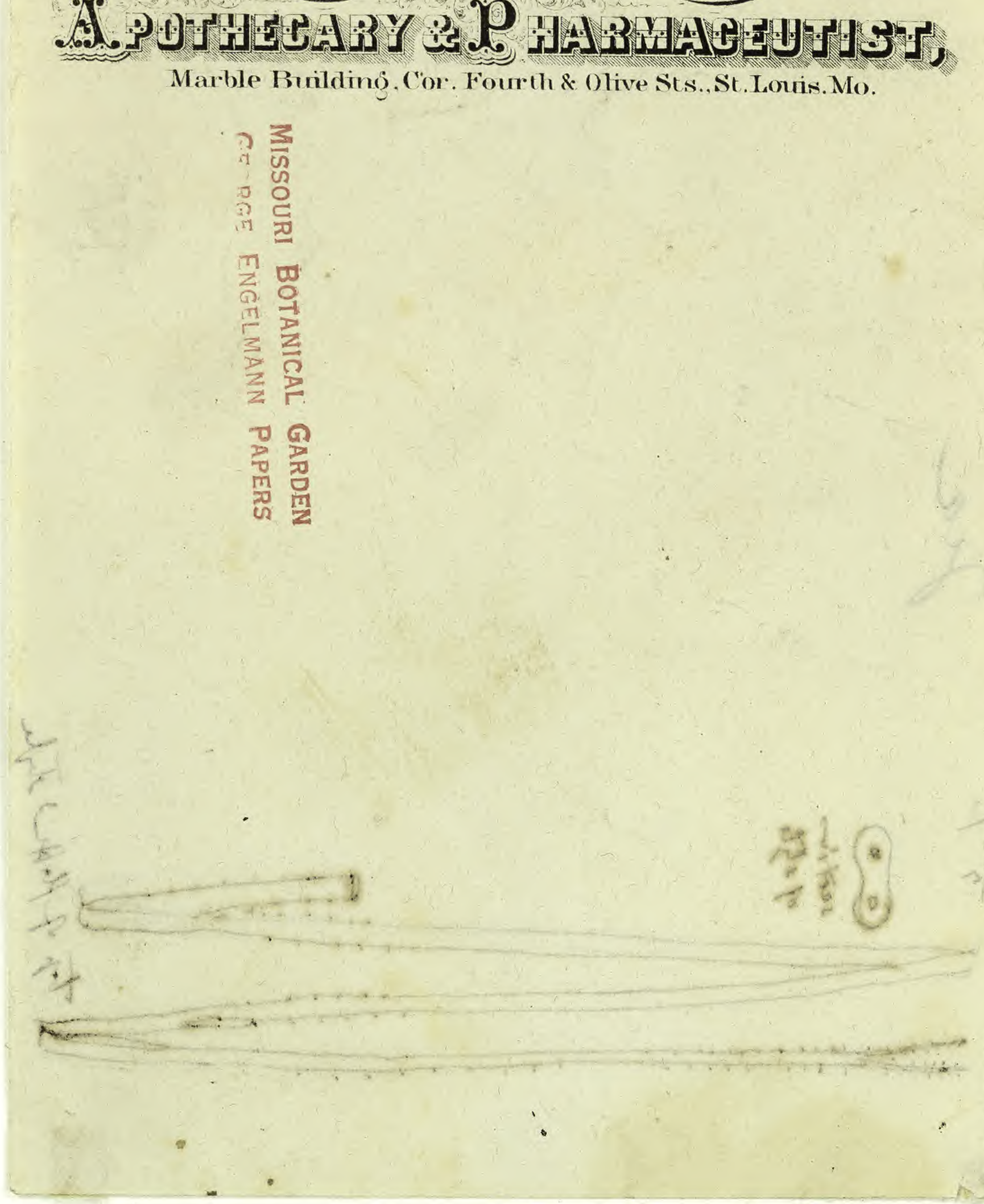

10252

0 cm 1 2 3 4 5 6 7 8 9 10
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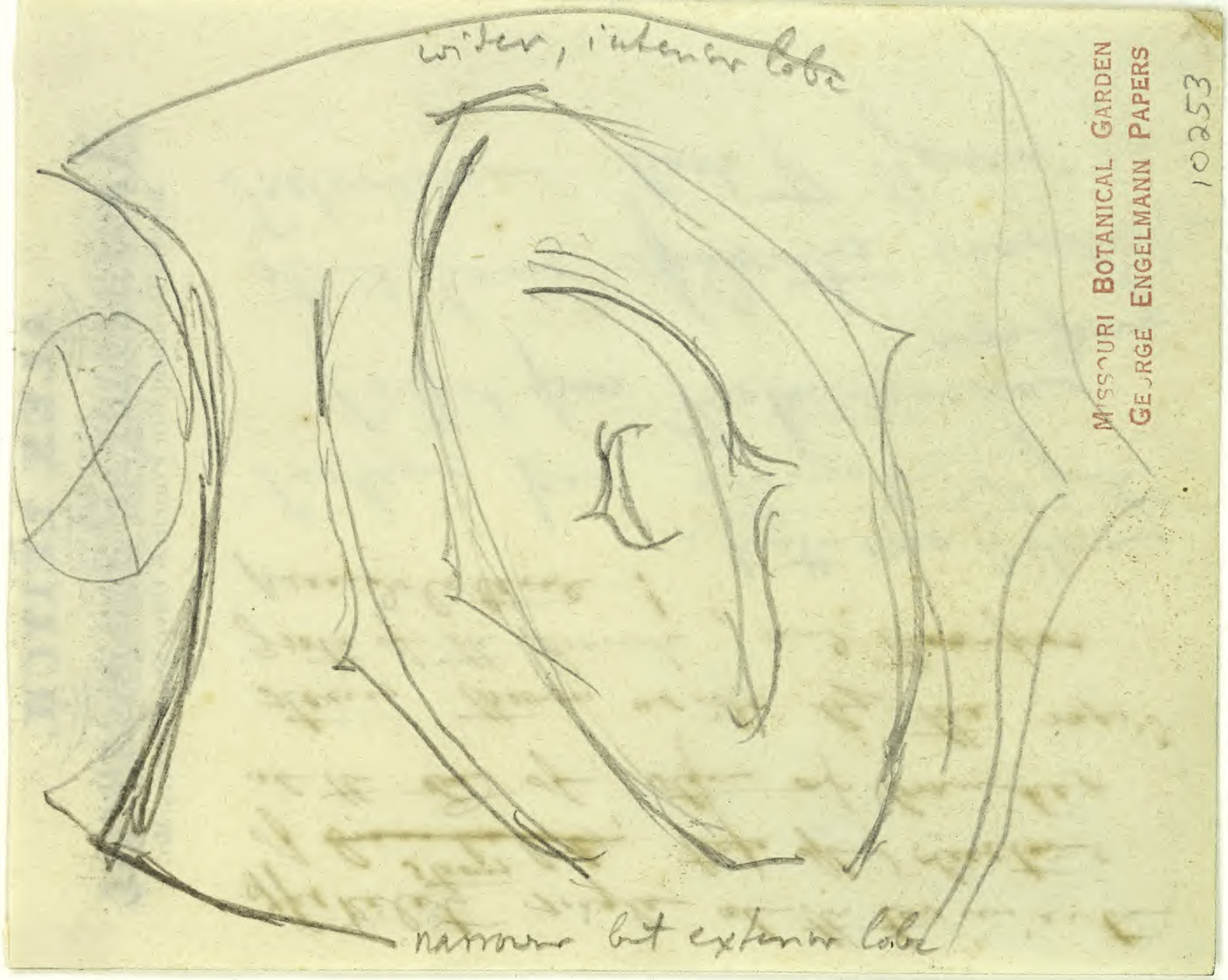
Spikelets ridge at the terminal ~~branchlets~~ stems; these often clustered at the end of stem or branches, stems thrown aside by the rapid growth of the branch, and therefore pseudolateral!

Sesleria has elongated apex of flower (often) from Festucaceae. Spikelet stiff Sesleriaceae Koch Fl. Germ.



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10253

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cm
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glume

palea

lower

side of

scale

triangular sheath

side of skeleton

upper

lower

1025-4A

Spartina obtusiflora

by Engelm 1858

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10254B

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199 Buchloe Dacty Gaidag

Eleusine ?

Syn Cynosurus cœnosus Buffalo grass ? Nuttall

Gen. imperfect. Culm & Panicle unknown

Spec. imperfect, Spikes 2 or 3 digitate

Copy of Chr. Geyer's Label, Nicollet Expd. 1839

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ALEX. LEITCH.

1. Stem terminal with a spike of 3-5 florets, of which 1 or 2 of the lower, and always the uppermost are sterile or rudimentary

1 the lowest one very often consists of a leaf not different from the leaves of the plant, with a many nerved blade, + it is always closely sheathing the stem at the base. it has usually no upper palea but sometimes such a one in the shape of a hyaline scale is present; in male flowers I have occasionally found 2 hyaline scales side by side and sometimes these scales protrude laterally from the cavity of the lowest palea and arrange themselves laterally to the spikelet

2 the next above is complete (male or female)

or it is incomplete, consisting of 2 empty palea

or it is reduced to a single palea which may be membranous & hyaline or stout and green; & hyaline scale

& I have seen (even) where two (single) palea were present in the lowest floret, where there is a single scale present in both lowest florets they do not differ from the glumes and florets the structure approaches nearest to a regularly formed grass spikelet, sometimes like Koeleria.

3, where the second floret is complete, the 3d is sometimes rudimentary but usually it is complete (male or female) or

4. incomplete, rudimentary or wanting

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cm 0 1 2 3 4 5 6 7 8 9 10

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10256B

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10256A

4. complete, rudimentary or wanting

5. rudimentary or wanting.

the rudiment ~~of this or~~ consists of a pedicellate floret of 2 small hyaline glumes.

—

Never are usually 2 complete (staminate or pistillate) flowers the lowest of which is either (usually) opposite, or (rarely) on the ~~same side as~~ above the lowest leaflike floret (being either the 2d or 3d in order).

The ~~radical~~ great irregularity of the structure does not admit of a clear account of the inflorescence in the usual manner. Some may be said to have perfect spikelets with both glumes; others seem to have a single glume, and that either an upper one, others again have no glume at all, the lowest organ of the inflorescence being a sterile floret.

A word remains to be said in regard to the morphology of the so-called organs, or edges, enveloping the flowers proper.

6/800 = 60 = 1
432
14
1728
432
80/6 = 1
45
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0 1 2 3 4 5 6 7 8 9 10
cm
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0 1 2 3 4 5 6 7 8 9 10 cm

Head 12-14

10256D

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10256C

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ALEX. LEITCH,

APOTHECARY & PHARMACEUTIST,

arrangement of spikelet ♂

I. 1. gleamlike leaf = lower gleam ?
2, more delicate leaf = upper gleam ?
= sterile palea ?
3. staminiferous floret / I'd say this & the next regular 2 flowered spikelet !
4 do do

II. shows that the last is not correct
1. gleam like leaf
2. sterile neutral floret
3. staminiferous floret.
4 do

III. 1. gleamlike leaf
2. staminiferous floret
3. do do.
4 rudiment or wanting.

IV. 1. gleam like with 2 scales
— axill. = 2 halfs of upper palea ?
2 hyalin palea single
3 & 4 staminiferous florets
or rudiment.

V. 1, gleam, less leaflike, then with 2 lateral usual hyalin leaves probably the 2 halfs of the upper palea, ~~these put like~~ like № IV.
These scales ~~put the~~ arrange themselves sideways to the spikelet as in figure.
2, 3 fertile staminiferous
3, 4, flowers.

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1023574

1023578

0 1 2 3 4 5 6 7 8 9 10
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3 & 4 staminate flowers
on head variant.

V. 1, glumes, less leaflike, than
usual
with 2 lateral hyaline leaves
probably the 2 halves of the
upper palea, ~~these put~~
~~the below~~ like N2 IV.
These leaves ~~put the~~ arrange
themselves sideways to the
spikelets as in figure.

2, 3 fertile staminate flowers.
3,
4, flowers.

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arrangement of spikelet ♀

I
1, glumelike leaf. or lower palea,
leaflike, of lowest ♀ complete
floret

with out
with } hyaline upper palea
(or lowest rudimentary floret?

2, fertile floret
3. rudiment. or upper fertile floret

II. 1. as above —
without hyaline upper palea
2 neuter floret with 2 paleae
3. fertile floret
4 rudiment

III

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THEODORE SALORGNE

MANUFACTURER OF

New and Elegant Styles

OF EVERY DESCRIPTION OF

Carriages.

COR. EIGHTH AND ST. CHARLES.

St. Louis, Mo. 574 1876

D. Leo Engelman

Dear Sir

Please Stop at my office as you return home this evening as I have a buggy to give you - in exchange for Yours to be left for Spains

Yours truly

T. Salorgne

per

Lemoulla elegans Parry mss

Polypogon Lemmonii Lamarkia aurea

Gramen annuum humile ebasi ramosum
Andropogonem obtusum

glabrum

foliis brevibus vaginis laxa hyalino-marginata
ligula magna ovata obtusa dentata

~~Spica foliis excedens, paniculaeformis~~

Panicula ovata foliis excedens

ad nodos pilosis fasciculos ~~ramos~~ ramosis spiculas ~~ferens~~ plerumque geminas aequans

~~pedicellos~~ ramos gracilibus

pedicellis pilosis geniculatis

~~geniculis flor~~ spiculis pedicellatis ~~multiflor~~ bifloris

glumis lanceolatis acuminatis

et palea (exteriore) valvas ovatas obtusis

dentriculatis versis particoloribus ~~numerosis~~ 5-6-10

spicula centrali biflora, ~~et exteriori~~

~~glumis longe~~ pedicellato ~~aristatis, flore hermaphrodito~~

~~fertili~~, (glumis lanceolatis acuminatis,) flosculo

stipitatus vix excedentibus, exteriore aborsivo

longe aristato; interiore hermaphrodito palea

exteriore ovata obtuse dentriculata, 5 nervia

sub apice aristata isthmo fere aequilonga

angustiore

obtusa, nervia 5 stam 3; styl 2

stigmatibus pilosis hispidulis, caryopsi oblonga libera.

Alevy peculiar Andropogoneous

genus distinguished from all its allies

by its long slender spikelets

---

spiculis staminibus nullis plerumque

geminis bifloris flosculo

neutro, interiore hermaphrodito, rudimentum aborsivum

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